

**Report Date:** 12 Mar 2015

**Summary Report for Individual Task**  
**551-88U-4340**  
**Analyze Procedures for Emergency Response to Derailments and Other Incidents**  
**Status: Approved**

---

**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD6** - This product/publication has been reviewed by the product developers in coordination with the Transportation School, Fort Lee, VA foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

**Condition:** Assigned as a Railway Specialist given the requirement to advise COCOM/Host Nation personnel on analyzing procedures for emergency response to derailments and other incidents, given a complete risk assessment, all applicable publications, forms, records, tools, materials, personnel, and equipment, day or night, in all weather conditions, and in an operational environment.

**Standard:** Analyze procedures for emergency response to derailments and other incidents without causing injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:**

Task Statements
-----------------

**Cue:** You have been tasked to assess and advise COCOM/Host Nation personnel on analyzing procedures for emergency response to derailments and other incidents.

DANGER
--------

None
------

WARNING
---------

None
------

CAUTION
---------

Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR. Install portable derail or flag protection IAW GCOR.
---

**Remarks:** None

**Notes:** None

## **Performance Steps**

1. Notify crews of traffic diversion.
  - a. Relay situation reports to dispatchers, station agents, or check points.
  - b. Issue reduced speeds according to references.
2. Coordinate adherence to safety practices.
3. Evaluate the communication of the delay caused by fire.
  - a. Contact maintenance of way personnel and railway equipment supervisor.
  - b. Contact ground transportation unit.
4. Receive weather reports from train dispatcher.
  - a. Arrange relay of location and specific problems caused by adverse weather conditions to appropriate trains/reporting stations in dispatch division.
  - b. Determine possible delay due to washout.
    - (1) Stockpile repair materials at suitable locations.
    - (2) Contact Track Master/Railway Section Foreman/Maintenance of Way personnel when washout has occurred.
  - c. Determine delay due to flooding or potential flooding.
    - (1) Contact maintenance of way personnel and corps of engineers.
    - (2) Organize movement of critical freight and equipment to higher ground.
    - (3) Direct anchoring of bridges and trestles.
  - d. Determine dirt and rock slide precautions and removal.
    - (1) Contact maintenance of way personnel.
    - (2) Direct excavation of slide material.
  - e. Determine snow slide precautions and removal.
    - (1) Contact maintenance of way personnel.
    - (2) Coordinate excavation of snow slide material.
5. Evaluate the communication of the delay caused by tunnel cave-in.
  - a. Contact maintenance of way personnel.
  - b. Contact corps of engineers.

6. Evaluate the communication of the delay caused by minor derailment procedures and contact maintenance of way personnel.

7. Evaluate the communication of the delay caused by congestion at terminals and yards.

a. Add additional crews and engines.

b. Modify train orders or clearances.

8. Evaluate the communication of the delay caused by enemy action.

a. Contact S-2 for information regarding reconnaissance or evasive detour.

b. Contact yardmaster.

(1) Notify to modify train schedules.

(2) Notify consignees and shippers of delay.

c. Contact maintenance of way personnel.

(1) Identify problem coordinates or other directional guidance.

(2) Issue extra work.

9. Evaluate the communication of the delay caused by human error by completing individual reporting action.

10. Evaluate the communication of the delay caused by equipment failure.

a. Receive equipment failure report from road foreman of engines.

b. Contact repair personnel.

c. Notify dispatcher.

(1) Order replacement material items.

(2) Transfer perishables and personnel.

11. Issue orders to Senior Assistant Yardmaster and Road Foreman of Engines.

a. Brief problem to superior officer.

b. Request assistance when unit resources are inadequate to handle the emergency.

12. Prepare Superintendent's Telegraphic Report of Accidents (DA Form 5614-R)

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Mark each performance measure either GO or NO-GO. The Soldier must complete all steps to receive a GO for each measure. All measures must be marked GO to receive an overall GO on the task. If the Soldier

fails any performance measure, show what was done wrong and how to do it correctly.

**Evaluation Preparation:** Ensure that all materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on analyzing procedures for emergency response to derailments and other incidents.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Notified crews of traffic diversion.			
2. Coordinated adherence to safety practices.			
3. Evaluated the communication of the delay caused by fire.			
4. Received weather reports from train dispatcher.			
5. Evaluated the communication of the delay caused by tunnel cave-in.			
6. Evaluated the communication of the delay caused by minor derailment procedures and contacted maintenance of way personnel.			
7. Evaluated the communication of the delay caused by congestion at terminals and yards.			
8. Evaluated the communication of the delay caused by enemy action.			
9. Evaluated the communication of the delay caused by human error by completing individual reporting action.			
10. Evaluated the communication of the delay caused by equipment failure.			
11. Issued orders to Senior Assistant Yardmaster and Road Foreman of Engines.			
12. Prepared Superintendent's Telegraphic Report of Accidents (DA Form 5614-R).			

#### Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 4-14	Expeditionary Railway Center Operations	No	No
	ERG 2012	Emergency Response Guidebook 2012: A Guidebook For First Responders During the Initial Phase of a Dangerous Goods/Hazardous Materials Transportation Incident	Yes	No
	GCOR	GCOR General Code of Operating Rules	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed

during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None